

THERMAL HEAD DRIVING SYSTEM

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Abstract

PURPOSE: To control a driving energy of a control object picture element and to control a concentration of a painting picture element by both adjacent informations, a painting information of a plural of line before thereof and a number of energizing of a prescribed plural of lines before thereof.

CONSTITUTION: The multi-gradient data buffers 100, 10'0 of present line, the multi-gradient data buffers 101 10'1 of before line, the level conversion circuit (making two value) 11, the data buffers 121-12n of the two value information, a level conversion circuit 13, the arithmetic circuitry 141-14n, the weighting circuits 151-15n, an adder 16, a printing energy control circuit 17, a buffer circuit 18, a driving circuit 19, and a printing head 20 are provided. A line L0 including a marked dot (b) and a line L1 adjacent thereto is mounted by the multivalue information, and a line before thereof is memorized by a number of driving time exceeding a certain level. The energy being impressed to the control object dot is controlled based on these memories.

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